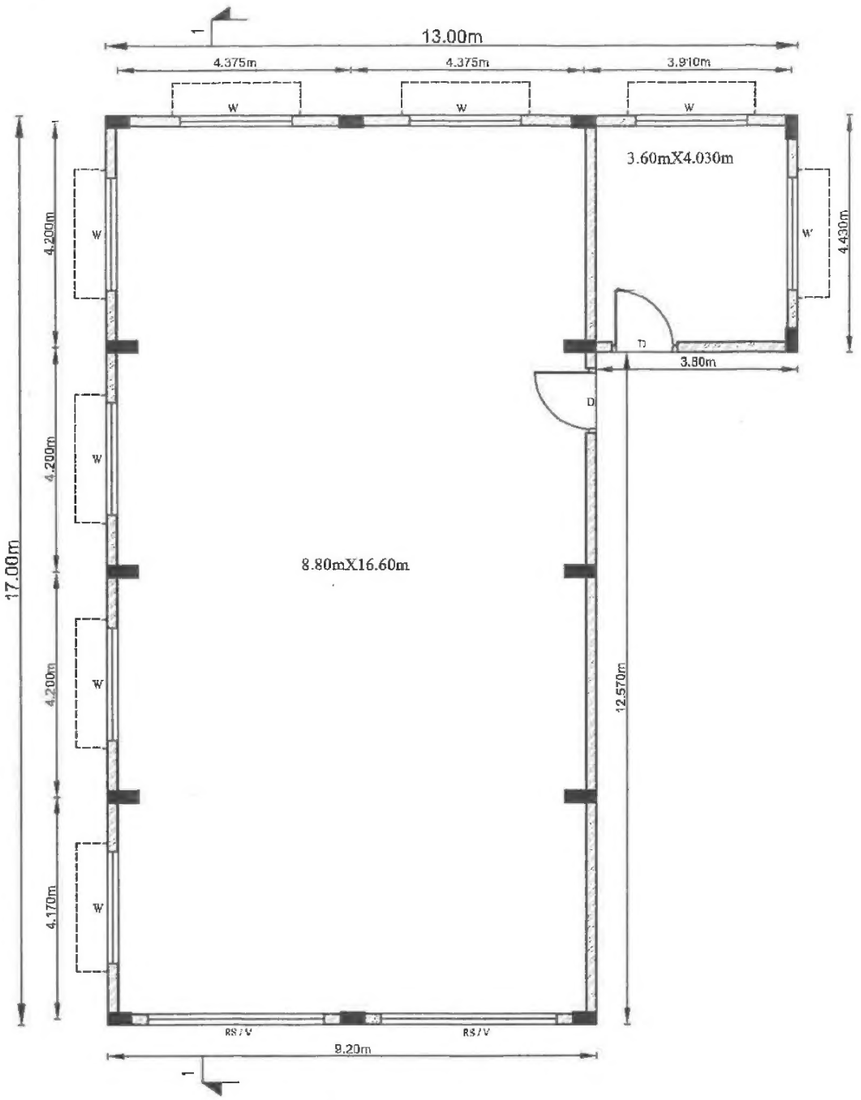
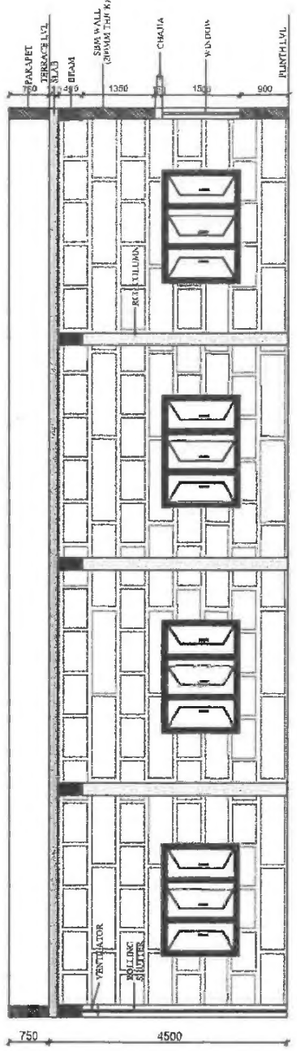
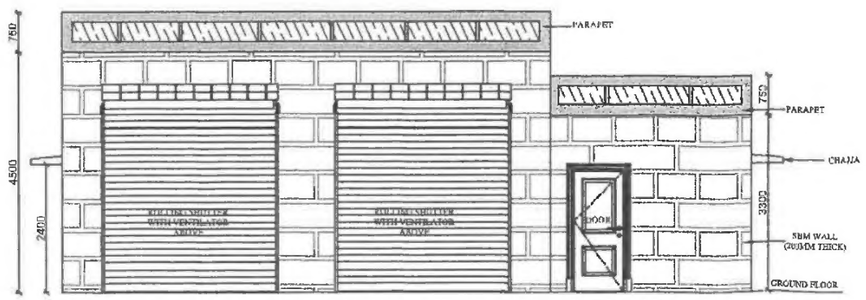


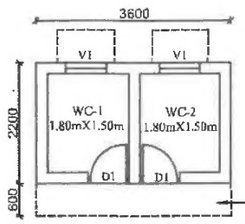
GROUND FLOOR PLAN



CROSS SECTION AT 1-1



FRONT ELEVATION



TOILET BLOCK PLAN

Orientation:

Area Statement :	
GROUND FLOOR AREA:	173.234 Sqm
TOTAL FLOOR AREA	173.234 Sqm

SCHEDULE OF OPENINGS	
NAME	SIZE
RS / V	3.30mX3.60m + 3.30mX0.30m
D	1.20mX2.40m
W	2.10mX1.50m

PROJECT TITLE :

CONSTRUCTION OF CHLORINATION PLANT AT TATAGUNI

DRAWING TITLE:

PROPOSED FLOOR PLANS, FRONT ELEVATION & CROSS - SECTION

DRAWN : SS	CHECKED : BK
SCALE : N.T.S	DATE : 04-01-2025
DRG NO : WS / ARCH-01	REVISION : R1

RELEASED FOR: ☑ Preliminary Drawing ☐ Tender Only ☐ Information Only ☐ For Approval ☐ For Construction

CONSULTANTS :

CONTRACTOR :

PROJECT MANAGEMENT CONSULTANT :

CLIENTS DETAILS :

BANGALORE WATER SUPPLY AND SEWERAGE BOARD, TATAGUNI.

VERIFIED BY

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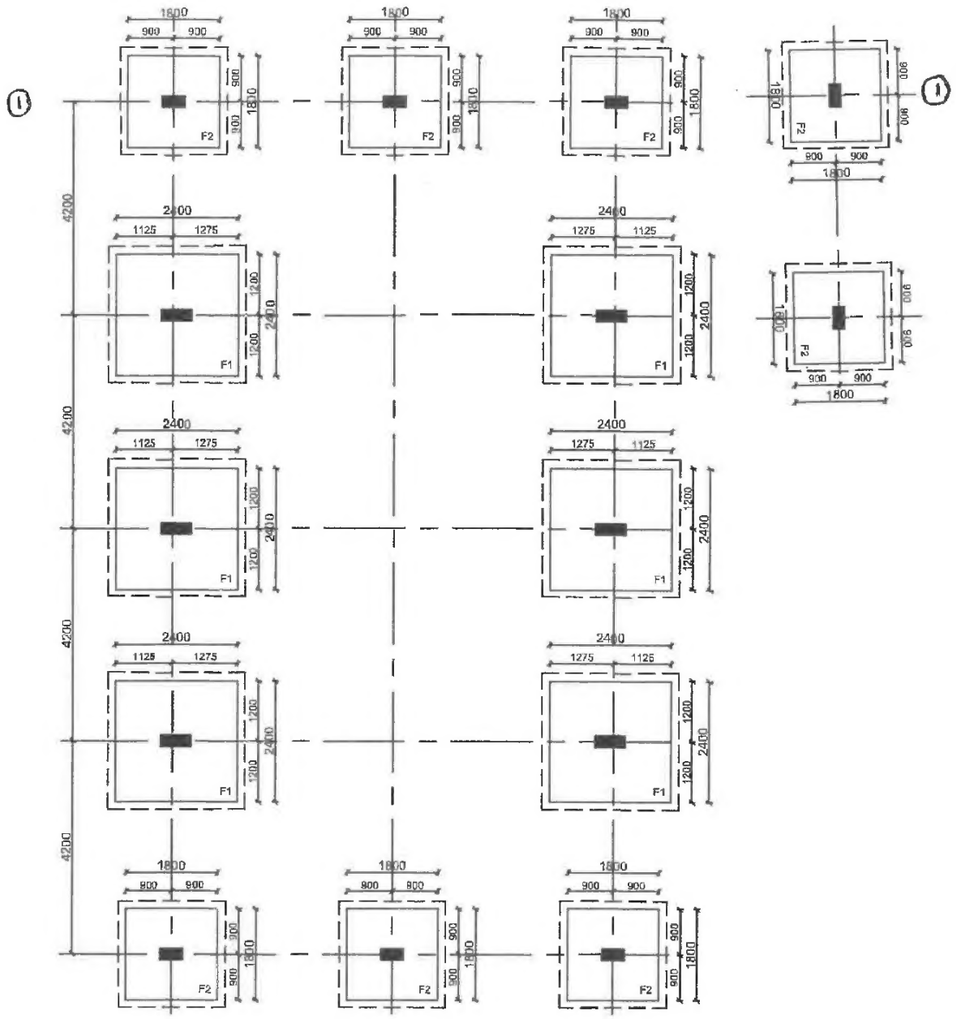
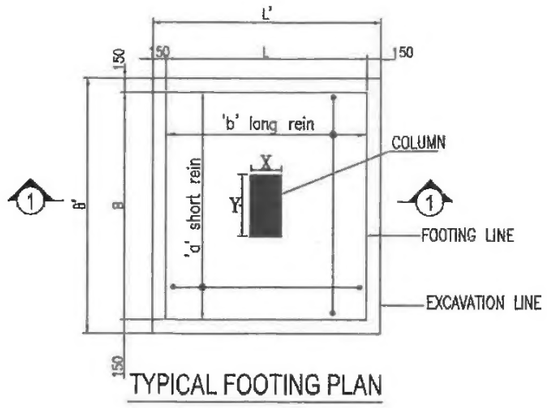
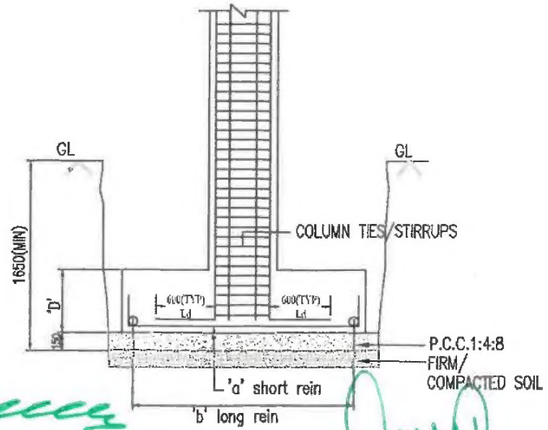


FOOTING LAYOUT



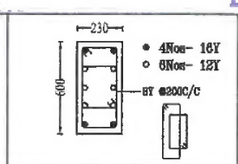
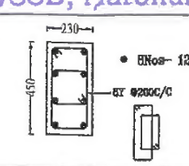
TYPICAL FOOTING PLAN



SECTION-1-1

SCHEDULE OF FOOTINGS FOR SBC OF SOIL 150 kN/Sq.m @ 1.65m Depth

SCHEDULE OF FOOTINGS									
SL. NO.	FOOTING TYPES	FOOTING NOS.	COLUMN TYPES	EXCAVATION SIZE (L x B)	FOOTING SIZE (L x B)	FOOTING DEPTH 'D'	REINFORCEMENT 'a' short reinf	REINFORCEMENT 'b' long reinf	GRADE OF CONCRETE FOR FOOTING
1	F1	6	C1	2700X2700	2400X2400	600	12Y@150C/C	12Y@150C/C	M25
1	F2	8	C2	2100X2100	1800X1800	450	10Y@200C/C	10Y@200C/C	M25

FOUNDATION		
	230; 600; 4Nos- 16Y; 6Nos- 12Y; 8Y @200C/C	230; 450; 6Nos- 12Y; 6Y @200C/C
GRADE OF CONCRETE	M25	M25
GRADE OF STEEL	Fe 500	Fe 500
COLUMN TYPES	C1 – 230X600	C2 – 230X450

NOTES AND SPECIFICATIONS:

1. ALL DIMENSIONS ARE IN MILLIMETRES. FOLLOW THE WRITTEN DIMENSIONS AND DO NOT SCALE THE DRAWING.
2. READ THE DRAWING ALONG WITH RELEVANT ARCHITECTURAL DRAWINGS AND CO-RELATE THE DETAILS FOR LOCATION
3. THE CEMENT STRENGTH SHOULD BE ASSESED BEFORE CASTING THE QUALITY STRENGTH AND OTHER STANDERDS SHOULD CONFORM TO THE SPECIFICATION IN IS:269 AND IS:0112 AS PER THE RELEVANT AND APPLICABLE STANDARDS. ADOPT M25 GRADE OF CEMENT GR-53.
4. STEEL TO BE USED IN REINFORCEMENT SHOULD BE:
   TESTED QUALITY TMT BARS(WHEREVER DENOTED AS 'Y') WHOSE STANDARDS SHOULD STRICTLY CONFORM TO THE SPECIFICATIONS IN IS:1139 AND IS:1786-1996. (THE PROOF STRESS OF WHICH SHOULD BE 500 N/mm2).
   ALL BARS ABOVE 8mm DIA. SHOULD BE TMT BARS.
5. CLEAR COVER TO THE MAIN REINFORCEMENT SHOULD BE:
   50 mm FOR FOOTINGS
   40 mm FOR COLUMNS
   30 mm FOR BEAMS
   20 mm FOR SLABS.
6. THE SBC CONSIDERED FOR THE DESIGN IS 150KN/m².
7. THE BUILDING IS DESIGN FOR GROUND + 1 UPPER FLOORS ONLY.
8. DEPTH OF EXCAVATION SHALL BE MINIMUM 1650MM.
9. PROVIDE FOUNDATION WITH 1:4:8 CC BED OF (150MM THICK).
10. THE FORMWORK SHALL BE DESIGNED AND CONSTRUCTED AS PER IS:14687.
11. FABRICATION DETAILS OF REINFORCING BARS SUCH AS LAPS HOOKS, BEND, Etc. SHOULD STRICTLY CONFORM TO THE SPECIFICATION IN IS:456, IS:2502 AND ALLIED STANDARDS. LAPS SHOULD BE STRICTLY AVOIDED IN THE MAIN BARS AND THEIR ANCHORAGE LENGTHS. IN OTHER CASES IT SHOULD BE 50 TIMES THE DIAMETER OF BAR.

PROJECT TITLE:

CONSTRUCTION OF CHLORINATION PLANT AT TATAGUNI

DRAWING TITLE:

CENTERLINE LAYOUT, FOOTING LAYOUT, TYPICAL FOOTING PLAN, SECTION, COLUMN & FOOTING REINFORCEMENT DETAILING

DRAWN: SS	CHECKED: BK
SCALE: N.T.S	DATE: 01-03-2025
DRG NO: WS/STR-01	REVISION: R0

RELEASED FOR: ☐ Preliminary Drawing ☑ Tender Only ☐ Information Only ☐ For Approval ☐ For Construction

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Arun Kumar K.S.
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